S 592 241 423 0.58 acres per capita as against 0.68 in China Proper. It is difficult to obtain a picture of the land tenure system because of the lack of data. But according to a field survey referred to by Owen Lattimore covering sixty-five households in two villages in the Khotan oasis, the smallest farm was 1.08 acres and the largest farm was eight acres. A further breakdown revealed that S (184) rich peasants in this group had average holdings of eleven acres, middle peasant 5.7, and the poor peasants 2.8 acres. In the area where this survey was conducted, it seems that the farms of the poor were too small for the efficient use of draft animals and there was the problem of efficiently employing, on a tiny farm, the labor potential of the large Uighur family. (Pivot of Asia, p. 169.)

4. Forestry

S 311 313 There is forest land in the rich Ili valley but it is questionable whether much timber can be exploited without serious damage to the soil. Since much of Sinkiang is desert and wasteland there are few forest reserves; out of the total Sinkiang area only about five per cent is forest land.

C. Kansu, Shensi, Ninghsia, and Chinghai

N 133 134 (243) 1. The setting

J. L. Buck refers to this part of the Northwest as the spring wheat and winter wheat-millet area. In the spring wheat area (northern Kansu, Ninghsia, and Shensi) high hills, small mountains, and narrow irrigated valleys characterize the best agricultural land. But along the great wall in Shensi, Ninghsia and Kansu are many undulating sand dunes extending from ten to seventy miles both northward and southward. When the Mongols occupied this region, these dunes were covered with grass and shrubs, but where the Chinese settled here, they cultivated the slightly more fertile land in the depressions between the dunes; once the grass was destroyed the winds blew the sand so as to make farming impossible and other nearby good soil was covered with the blowing sand. Grass in such land can seldom be resodded, and it is thus that land once useful, at least for pasture, is now entirely destroyed.

N 133 134 243 The winter wheat-millet area (southern Kansu, Ninghsia, and Shensi) extends over a great part of a loess-covered plateau, a high, dissected peneplain, carved largely from red or purple sholes and conglomerates, covered with deposits, largely lacustrine, and blanketed by wind-blown dust, known as loess, which varies in thickness from about twenty to more than 150 meters. The fields in this region are very irregular and small, and most of the surface is so eroded that cultivation is difficult and much terracing is necessary.

N 132 The climate is cold, dry, and windy in winter. The typical precipitation is low, about fourteen inches, and exceedingly

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242 The Soviet Union sent
668 thirty-three airplanes and large numbers of locust experts to
433 spray insecticides over an area of some 2,669,000 mow (or
[177] 405,688 acres) during 1952-1955. On the state farms, the Army
[475] has done the lion's share of the work of reclaiming land, building
[701] irrigation works, erecting experimental farms and stations and operating them. (Union Research Service, Oct. 14, 1955. p. 7, No. 9.)

654 The Communists reported that they have given financial and
668 technical assistance to the various nationalities who till the soil
241 or engage in pastoral activities. By the end of 1954, agricultural
175 loans totalling some 26,140,000 yuan (U.S. $1,061) and some 46,000 farming implements had been supplied to the peasants, enabling every peasant household to have one trowel of its own and every 1.3 households to own a plow. These small figures indicate that assistance has been meagre; but even this might enable the peasants to increase output as compared to output obtained by previous farming implements.

241 Whether agriculture will prosper in Sinkiang depends entirely
312 on the steps taken in water conservancy and the proper utilization
668 of water. Already five million additional mow of land (160,000
175 acres) have been irrigated in the past six years and the irrigated acreage in 1954 has been increased by 30.2 per cent since 1949. Reservoirs have been constructed like the well-known "Red Wild Goose Reservoir" and the "Peace Reservoir" which both now irrigate more than 237,000 mow (36,024 acres of land). Three
[475] state farms, collective farms, and a dozen or so agricultural co-
[474] ops have been formed in the area.

231 By the end of 1954, the total number of livestock in the whole
433 province numbered 17,105,000 head, an increase of 7.47 per cent
175 over 1953. (In 1947 the total number of livestock was 15,037,000.
668 The figure reported for 1954 indicates a 13 per cent increase.) The plan for 1955 is to raise the number fo 18,987,567 head, a net increase of 11 per cent. This will include 537,280 head of large and small animals of improved breed (including 515,792 sheep, 7,930 large domestic animals, 13,538 pigs); 2,839,140 head of livestock will be innoculated against or cured of various diseases. The Chinese Communists complain, however, of many defects in animal husbandry. During the past winters, insufficient feed was gathered and many animals died. It was estimated that some 200,000 died in the spring of 1954, an approximate loss of one per cent per annum.

313 The forestry policy has been to protect existent forests from
668 fire and damage, to survey forest areas suitable for afforestation, to plant saplings there, and to afforestate areas near rural villages for the development of co-ops and state farms. Each year, the quota mou to be afforestated is set and state departments undertake to meet these quotas. Nurseries have been built and seedlings planted in these tracts.